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File: USPT

Dec 24, 2002

US-PAT-NO: 6499008

DOCUMENT-IDENTIFIER: US 6499008 B2

TITLE: Transceiver for selecting a source coder based on signal distortion estimate

DATE-ISSUED: December 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Miet; Gilles	Le Mans			FR

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
Koninklijke Philips Electronics N.V.	Eindhoven			NL		03

APPL-NO: 09/ 316776 [PALM]

DATE FILED: May 21, 1999

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
FR	98 06616	May 26, 1998

INT-CL: [07] G10 L 19/14, G10 L 19/00

US-CL-ISSUED: 704/200.1; 704/220, 704/221

US-CL-CURRENT: 704/200.1; 704/220, 704/221

FIELD-OF-SEARCH: 704/200.1, 704/219, 704/220, 704/221

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5457783</u>	October 1995	Chhatwal	704/219
<input type="checkbox"/>	<u>5799272</u>	August 1998	Zhu	704/223
<input type="checkbox"/>	<u>5802487</u>	September 1998	Tanaka	704/230
<input type="checkbox"/>	<u>5878387</u>	March 1999	Oshikiri et al.	704/207
<input type="checkbox"/>	<u>6169970</u>	January 2001	Kleijn	704/219
<input type="checkbox"/>	<u>6418147</u>	July 2002	Wiedeman	370/468

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0417739	March 1991	EP	
08237711	September 1996	JP	

ART-UNIT: 2654

PRIMARY-EXAMINER: Smits; Talivaldis Ivars

ATTY-AGENT-FIRM: Le Pennec; Gwenaella

ABSTRACT:

A radio signal transceiver receiving at its input a speech signal and producing an output signal at a given output rate, the speech signal having undergone a source coding intended to sufficiently compress the input signal to obtain the desired output rate while an acceptable distortion ratio is maintained. In order to improve the compromise of transmission quality of the speech signal and transmission rate by selecting the optimum coder from the available coders, the transceiver comprises a measuring device for measuring the distortion of the output signal of a coder and a check circuit for comparing the estimated distortion with set values and deriving therefrom the optimum coder for the measured distortion.

15 Claims, 6 Drawing figures